

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	35	("4016863"   "4187856"   "4221567"   "4301809"   "4381011"   "4424276"   "4567748"   "4643192"   "4803992"   "4854321"   "4901727"   "4949724"   "4996990"   "5020537"   "5031623"   "5115811"   "5176882"   "5186172"   "5193544").PN. OR ("5423320").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/06 16:40
L3	1	((respirat\$3 breath\$3) and perfusion and (gastrointestinal gi esophag\$3) and (tub\$3 catheter) and gas and permea\$4 and fluid and impermeable and (diameter radius) and thick\$4 and tonomet \$3).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2011/04/06 16:44
S1	5	"576517".ap.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 10:45
S2	27	"5423320"	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 10:59
S3	1	("5423320").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/12 10:59
S4	31	("4016863"   "4187856"   "4221567"   "4301809"   "4381011"   "4424276"   "4567748"   "4643192"   "4803992"   "4854321"   "4901727"   "4949724"   "4996990"   "5020537"   "5031623"   "5115811"   "5176882"   "5186172"   "5193544").PN. OR ("5423320").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 11:00
S5	50	(US-5423320-\$ or US-5744952-\$ or US-5824478-\$ or US-6056743-\$ or US-4337761-\$ or US-4630939-\$ or US-4843880-\$ or US-5269751-\$ or US-5299578-\$ or US-5328488-\$ or US-5401270-\$ or US-5470331-\$ or US-5741244-\$ or US-3596040-\$ or US-4022215-\$ or US-4082096-\$ or US-4254832-\$ or US-4262247-\$ or US-4267446-\$ or US-4276775-\$ or US-4279080-\$ or US-4282754-\$ or US-4294124-\$ or US-4307730-\$ or US-4315730-\$ or US-4316313-\$).did. or (US-	USPAT	OR	ON	2008/06/12 11:55

		4321915-\$ or US-4335072-\$ or US-4344469-\$ or US-4349032-\$ or US-4370985-\$ or US-4374525-\$ or US-4376681-\$ or US-4388691-\$ or US-4390760-\$ or US-4389906-\$ or US-4401389-\$ or US-4401237-\$ or US-4408871-\$ or US-4413203-\$ or US-4437497-\$ or US-4446747-\$ or US-4449532-\$ or US-4460451-\$ or US-4463611-\$ or US-4481828-\$ or US-4487070-\$ or US-4487604-\$ or US-4491680-\$ or US-4492480-\$).did.				
S6	6	("4643192"   "4928694"   "5058416"   "5423320"   "5479923").PN. OR ("5957839").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 13:32
S7	135	tonometr\$2 and (esophag\$3 gastrointestinal)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 13:34
S8	10	("4643192"   "4928694"   "5058416"   "5423320"   "5479923").PN. OR ("5743259").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 13:37
S9	70	("3043309"   "3339552"   "3395710"   "3437088"   "3480003"   "3658053"   "3734094"   "3794041"   "3983879"   "4003705"   "4063561"   "4120292"   "4173981"   "4176659"   "4187856"   "4214593"   "4221567"   "4233513"   "4244377"   "4259960"   "4265249"   "4273636"   "4304239"   "4338174"   "4381011"   "4384586"   "4423739"   "4432366"   "4480190"   "4497324"   "4516580"   "4534825"   "4576590"   "4580560"   "4583969"   "4596931"   "4610656"   "4643192"   "4671287"   "4727730"   "4738668"   "4774956"   "4784660"   "4790328"   "4792330"   "4809710"   "4850958"   "4859858"   "4859859"   "4873990"   "4907166"   "4914720"   "4966578"   "4981470"   "4998527"   "5002055"   "5042522"   "5067492"   "5095913"   "5158083"   "5167237"   "5174290"   "5186172"   "5415165"   "5456251").PN. OR ("6010453").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 13:37

S10	27	("3983864"   "4221567"   "4233513"   "4273636"   "4423739"   "4480190"   "4576590"   "4596931"   "4643192"   "4671287"   "4677143"   "4859858"   "4859859"   "4907166"   "4914720"   "5042522"   "5067492"   "5095913"   "5158083"   "5174290"   "5186172"   "5423320"   "5479923").PN. OR ("6238339"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 13:37
S11	109	("3043309"   "3339552"   "3395710"   "3437088"   "3480003"   "3658053"   "3734094"   "3794041"   "3824157"   "3983879"   "4003705"   "4016864"   "4020830"   "4063561"   "4120292"   "4173981"   "4176659"   "4187856"   "4214593"   "4221567"   "4233513"   "4244377"   "4259960"   "4265249"   "4273636"   "4304239"   "4338174"   "4381011"   "4384586"   "4423739"   "4432366"   "4480190"   "4497324"   "4516580"   "4534825"   "4576590"   "4580560"   "4583969"   "4596931"   "4610656"   "4615340"   "4643192"   "4671287"   "4716887"   "4727730"   "4738668"   "4774956"   "4784660"   "4790328"   "4792330"   "4800886"   "4809710"   "4830013"   "4850958"   "4859858"   "4859859"   "4873990"   "4907166"   "4914720"   "4925268"   "4934369"   "4951669"   "4966141"   "4966578"   "4974929"   "4981470"   "4998527"   "5000901"   "5002055"   "5042522"   "5047208"   "5048525"   "5054882"   "5057278"   "5067492"   "5095913"   "5119463"   "5127077"   "5158083"   "5166990"   "5167237"   "5171029"   "5174290"   "5184618"   "5186172"   "5225063"   "5251633"   "5319978"   "5328848"   "5345932"   "5355880"   "5434084"   "5630413").PN. OR ("6334064").	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 13:38

		URPN.				
S12	87	("2259960"   "3043309"   "3339552"   "3395710"   "3437088"   "3480003"   "3658053"   "3734094"   "3794041"   "3983879"   "4003705"   "4063561"   "4120292"   "4173981"   "4176659"   "4187856"   "4214593"   "4221567"   "4223513"   "4224377"   "4265249"   "4273636"   "4304239"   "4338174"   "4381011"   "4384586"   "4423739"   "4432366"   "4480190"   "4497324"   "4516580"   "4534825"   "4576590"   "4580560"   "4583969"   "4596931"   "4610656"   "4643192"   "4671287"   "4727730"   "4738668"   "4774956"   "4784660"   "4790328"   "4792330"   "4809710"   "4850958"   "4859858"   "4859859"   "4873990"   "4907166"   "4914720"   "4966578"   "4981470"   "4998527"   "5002055"   "5042522"   "5067492"   "5095913"   "5158083"   "5167237"   "5174290"   "5186172").PN. OR ("5456251"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 13:38
S13	2	("2002/0087057").URPN.	USPAT	OR	ON	2008/06/12 13:39
S14	8	("6029076").URPN.	USPAT	OR	ON	2008/06/12 13:39
S15	38	("3480003"   "4176659"   "4265249"   "4273636"   "4338174"   "4381011"   "4432366"   "4534825"   "4727730").PN. OR ("5186172"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 13:39
S16	82	("3043309"   "3339552"   "3395710"   "3437088"   "3480003"   "3658053"   "3734094"   "3794041"   "3983879"   "4003705"   "4063561"   "4120292"   "4173981"   "4176659"   "4187856"   "4214593"   "4221567"   "4223513"   "4244377"   "4259960"   "4265249"   "4273636"   "4304239"   "4338174"   "4381011"   "4384586"   "4423739"   "4432366"   "4480190"   "4497324"	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 13:40

		"4516580"   "4534825"   "4576590"   "4580560"   "4583969"   "4596931"   "4610656"   "4643192"   "4671287"   "4727730"   "4738668"   "4774956"   "4784660"   "4790328"   "4792330"   "4809710"   "4850958"   "4859858"   "4859859"   "4873990"   "4907166"   "4914720"   "4966578"   "4981470"   "4998527"   "5002055"   "5042522"   "5067492"   "5095913"   "5158083"   "5167237"   "5174290"   "5186172").PN. OR ("5526809"). URPN.				
S17	74	("3043309"   "3339552"   "3395710"   "3437088"   "3480003"   "3658053"   "3734094"   "3794041"   "3983879"   "4003705"   "4063561"   "4120292"   "4173981"   "4176659"   "4187856"   "4214593"   "4221567"   "4223513"   "4224377"   "4259960"   "4265249"   "4273636"   "4304239"   "4338174"   "4381011"   "4384586"   "4423739"   "4432366"   "4480190"   "4497324"   "4516580"   "4534825"   "4576590"   "4580560"   "4583969"   "4596931"   "4610656"   "4643192"   "4671287"   "4727730"   "4738668"   "4774956"   "4784660"   "4790328"   "4792330"   "4809710"   "4850958"   "4859858"   "4859859"   "4873990"   "4907166"   "4914720"   "4966578"   "4981470"   "4998527"   "5002055"   "5042522"   "5067492"   "5095913"   "5158083"   "5167237"   "5174290"   "5186172").PN. OR ("5415165"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 13:42
S18	194	S8 S9 S10 S11 S12 S13 S14 S15 S16 S17	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 13:43
S19	170	S18 and (catheter lumen multilumen tube)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 13:43
S20	66	S19 and permeable	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 13:44

S21	5266	pressure and (catheter lumen tube) and permeable and (esophag\$3 gastrointestinal)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 14:11
S22	73	((catheter lumen tube) with permeable) and ((esophag\$3 gastrointestinal) same pressure)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 14:12
S23	70	((catheter lumen tube) with permeable) and ((esophag\$3 gastrointestinal GI) with (pressure tension))	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 14:12
S24	27	("2787903"   "3040561"   "3437446"   "3567383"   "3659586"   "3869354"   "4043178"   "4149949"   "4373375"   "4490234"   "4736748"   "5033321"   "5106755"   "5131260"   "5325709"   "5474660"   "5571944"   "5952558"   "5969223"   "6065329"   "6114943"   "6119508"   "6277329").PN. OR ("6370941").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 14:16
S25	60	(esophag\$3 gastrointestinal GI) with (partial adj pressure)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 14:19
S26	376778	(carbon adj dioxide) co2 "co. sub.2"	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 14:39
S27	10783	(esophag\$3 gastrointestinal GI) and S26 and closed	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 14:39
S28	294	(esophag\$3 gastrointestinal GI) same S26 same closed	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 14:40
S29	0	1999EP-0941693.ap,prai.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/06/12 14:45
S30	0	1999EP-0941693.ap,prai.	DERWENT	OR	ON	2008/06/12 14:47
S31	354	instrumentarium	DERWENT	OR	ON	2008/06/12 14:48
S32	1	1999-495778.NRAN.	DERWENT	OR	ON	2008/06/12 14:49
S33	11	(US-20080058666-\$).did. or (US-5423320-\$ or US-5957839-\$ or US-5020537-\$ or US-4301809-\$ or US-4221567-\$ or US-4187856-\$ or US-5479923-\$ or US-6238339-\$ or US-6216024-\$ or US-6370941-\$).did. or (EP-941693-A-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2008/06/12 15:17
S34	4	S33 and syringe	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/12 15:17
S35	1	("4643192").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/17 13:43

S36	0	pearmeab\$5 near2 (catheter lumen tube)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 15:52
S37	2737	permeab\$5 near2 (catheter lumen tube)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 15:53
S38	93	S37 and (esophag\$3 gastrointestinal)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 15:53
S39	68	S38 and (pressure tonomet43)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 15:53
S40	68	S38 and (pressure tonomet\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 15:53
S41	3	("5158083"   "5423320"   "5456251").PN. OR ("6125293").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 15:57
S42	5	S37 same (esophag\$3 gastrointestinal)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 16:03
S43	46	S37 and ((esophag\$3 gastrointestinal) same (catheter lumen tube))	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 16:03
S44	8	permeab\$5 near2 esophag\$3	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 16:19
S45	25	("2854982"   "3394705"   "4100246"   "4423725"   "4676778"   "4714460"   "5071406").PN. OR ("5314409").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 16:21
S46	671	(gas (carbon adj dioxide) co2 "co. sub.2") near2 permeab\$5 near2 (catheter lumen tube)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 16:24
S47	55	S46 and "600".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 16:24
S48	1029	tonometr\$2	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 16:35
S49	528	S48 and "600".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 16:36
S50	59	S49 and permeab\$5	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 16:36
S51	324	S49 and (catheter lumen tube)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 16:37
S52	47	S51 and permeab\$5	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 16:37
S53	0	WO9001894A1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/06/17 16:41
S54	0	WO9001894A2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/06/17 16:41

S55	0	WO9001894	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2008/06/17 16:41
S56	13	("3173418"   "3854484"   "4643192"   "4791923"   "5033466").PN. OR ("5251619"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 16:47
S57	29	("3572315"   "3658053"   "3824157"   "3844275"   "3893448"   "3923627").PN. OR ("4016863").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 16:48
S58	72	("3438241"   "3451256"   "3512517"   "3639829"   "3661010"   "3874850"   "3983864"   "4016863"   "4062373"   "4119406").PN. OR ("4221567").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/17 17:22
S59	1	("6432051").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/23 16:13
S60	6	("4197853"   "4643192"   "4932410"   "5251619"   "5479923"   "5526809").PN. OR ("6432051").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 16:16
S61	16	phenolic adj red	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 16:18
S62	9796	phenol adj red	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 16:18
S63	9861	phenol near red	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 16:18
S64	3021	((((phenol phenolic) near red) psp phenolsulfonphthalein) and (NaCl (sodium adj chloride)) and ((sodium adj hydrogen adj carbonate) NaHCO3 "NaHCO. sub.3"))	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 16:20
S65	249	((((phenol phenolic) near red) psp phenolsulfonphthalein) with (NaCl (sodium adj chloride)) with ((sodium adj hydrogen adj carbonate) NaHCO3 "NaHCO. sub.3"))	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 16:20
S66	240	S65 and (ph co2 "co. sub.2" (carbon adj dioxide))	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 16:20
S67	1	S66 and "600".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 16:21
S68	101	S65 same (ph co2 "co. sub.2" (carbon adj dioxide))	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 16:24
S69	7474	hanks same (ph co2 "co. sub.2" (carbon adj dioxide))	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 16:32
S70	19	S69 and "600".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 16:32



S71	1	S65 same ((measur\$3 detect\$3) near3 (ph co2 "co.sub.2" (carbon adj dioxide)))	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 16:35
S72	0	(tonometr\$2 and (esophag\$3 gastrointestinal gi) and respirat\$3 and (tube lumen) and (gas near permeable) and ((carbon adj dioxide) co2 "co.sub.2") and (nahco3 "nahco.sub.3" (sodium adj hydrogen adj carbonate)) and (salt nacl (sodium adj chloride)) and (phenol\$2 near red)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/03 13:57
S73	0	(tonometr\$2 and (esophag\$3 gastrointestinal gi) and respirat\$3 and (tube lumen) and (gas near permeable) and ((carbon adj dioxide) co2 "co.sub.2") and (nahco3 "nahco.sub.3" (sodium adj hydrogen adj carbonate)) and (salt nacl (sodium adj chloride)) and ((phenol\$2 near red) psp phenolsulfonphthalein)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/03 13:57
S74	19	"5408999"	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 16:00
S75	1	"5408999".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/10 17:01

#### EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	1	((respirat\$3 breath\$3) and perfusion and (gastrointestinal gi esophag\$3) and (tub\$3 catheter) and gas and permea \$4 and fluid and impermeable and (diameter radius) and thick \$4 and tonomet\$3).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/04/06 16:44

4/ 6/ 2011 4:51:40 PM

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